Project Stakeholders' Meeting

October 12, 2000

Greensboro Operations Center

Stream Identification and Mapping Project

City of Greensboro

Water Resources Department

Stormwater Management Division

Preliminary Agenda

- 11:30 - 11:50 Lunch
- 11:50 - 11:55 Welcome and Introductions (J Thomas)
- 11:55 - 12:10 Project Introduction (J Thomas)
- 12:10 - 12:35 Project Details (R Darling)
- 12:35 - 1:10 Group Discussion (All)
- 1:10 - 1:15 Closing Remarks (J Thomas)

Thanks for attending!

Project Purpose

- Proactive - Meeting Water-Supply Watershed Stream Buffer Requirements
- Accurate Map - "scientifically defensible methodology"
- Comprehensive Map - Minimize need for site specific determinations

Project Team

- City of Greensboro - Stormwater Management Division
- LAW Engineering and Environmental Services - Primary Consultant
- Water Resource Research Institute - Dr. James Gregory NCSU Forestry Professor
- NC Division of Water Quality

Project Team (cont)

- Stakeholder Group
  - Regulators
  - Municipal Interests
  - Development Community
  - Environmental Interests

Project Objectives

- Accurate Field Identification of *Perennial* and *Intermittent* Stream Breakpoints

Field Identification - What is a Stream?

Project Objectives (cont)

- Obtain Regulatory (DWQ) Approval of Field Stream Classification Methodology

Secondary Field Indicators: *(Circle One Number Per Line)*

I. Geomorphology	Absent	Weak	Moderate	Strong
1) Is There A Head Cut Present In Channel?	0	0.5	1	1.5
2) Is There A Grade Control Point In Channel?	0	0.5	1	1.5
3) Does Topography Indicate A Natural Drainage Way?	0	0.5	1	1.5

SECONDARY GEOMORPHOLOGY INDICATOR POINTS: **9**

II. Hydrology	Absent	Weak	Moderate	Strong
1) Is This Year's (Or Last's) Leaflitter Present In Streambed?	1.5	1	0.5	0
2) Is Sediment On Plants (Or Debris) Present?	0	0.5	1	1.5
3) Are Wrack Lines Present?	0	0.5	1	1.5
4) Is Water In Channel ***And*** >48 Hrs. Since Last ***Known*** Rain? *(*NOTE: If Ditch Indicated In #9 Above Skip This Step And #5 Below*)*	0	0.5	1	1.5
5) Is There Water In Channel During Dry Conditions Or In Growing Season)?	0	0.5	1	1.5
6) Are Hydric Soils Present In Sides Of Channel (Or In Headcut)?	Yes= 1.5		No= 0	

SECONDARY HYDROLOGY INDICATOR POINTS: **16.5**

III. Biology	Absent	Weak	Moderate	Strong	
1) Are Fish Present?	0	0.5	1	1.5	
2) Are Amphibians Present?	0	0.5	1	1.5	
3) Are AquaticTurtles Present?	0	0.5	1	1.5	
4) Are Crayfish Present?	0	0.5	1	1.5	
5) Are Macrobenthos Present?	0	0.5	1	1.5	
6) Are Iron Oxidizing Bacteria/Fungus Present?	0	0.5	1	1.5	
7) Is Filamentous Algae Present?	0	0.5	1	1.5	
8) Are Wetland Plants In Streambed? *(* **NOTE**: If Total Absence Of All Plants In Streambed As Noted Above Skip This Step UNLESS SAV Present*).*	SAV 2	Mostly OBL 1	Mostly FACW 0.75	Mostly FAC 0.5	Mostly FACU 0	Mostly UPL 0

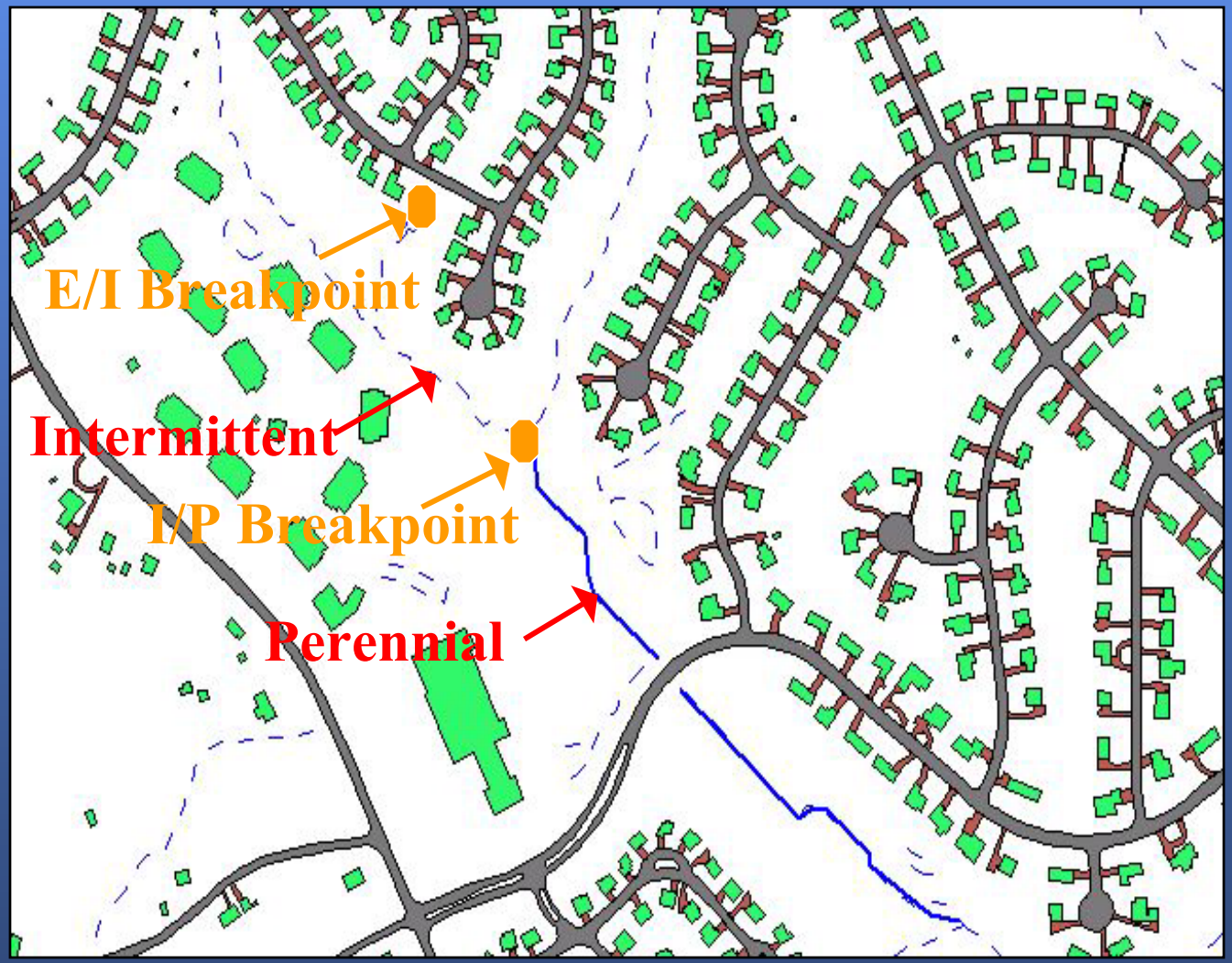
SECONDARY BIOLOGY INDICATOR POINTS: **25.25**

TOTAL POINTS *(Primary + Secondary)=* **137.75** *(If Greater Than Or Equal To 19 Points The Stream Is At Least Intermittent)*


Stream
Indicators?

Project Objectives (cont)

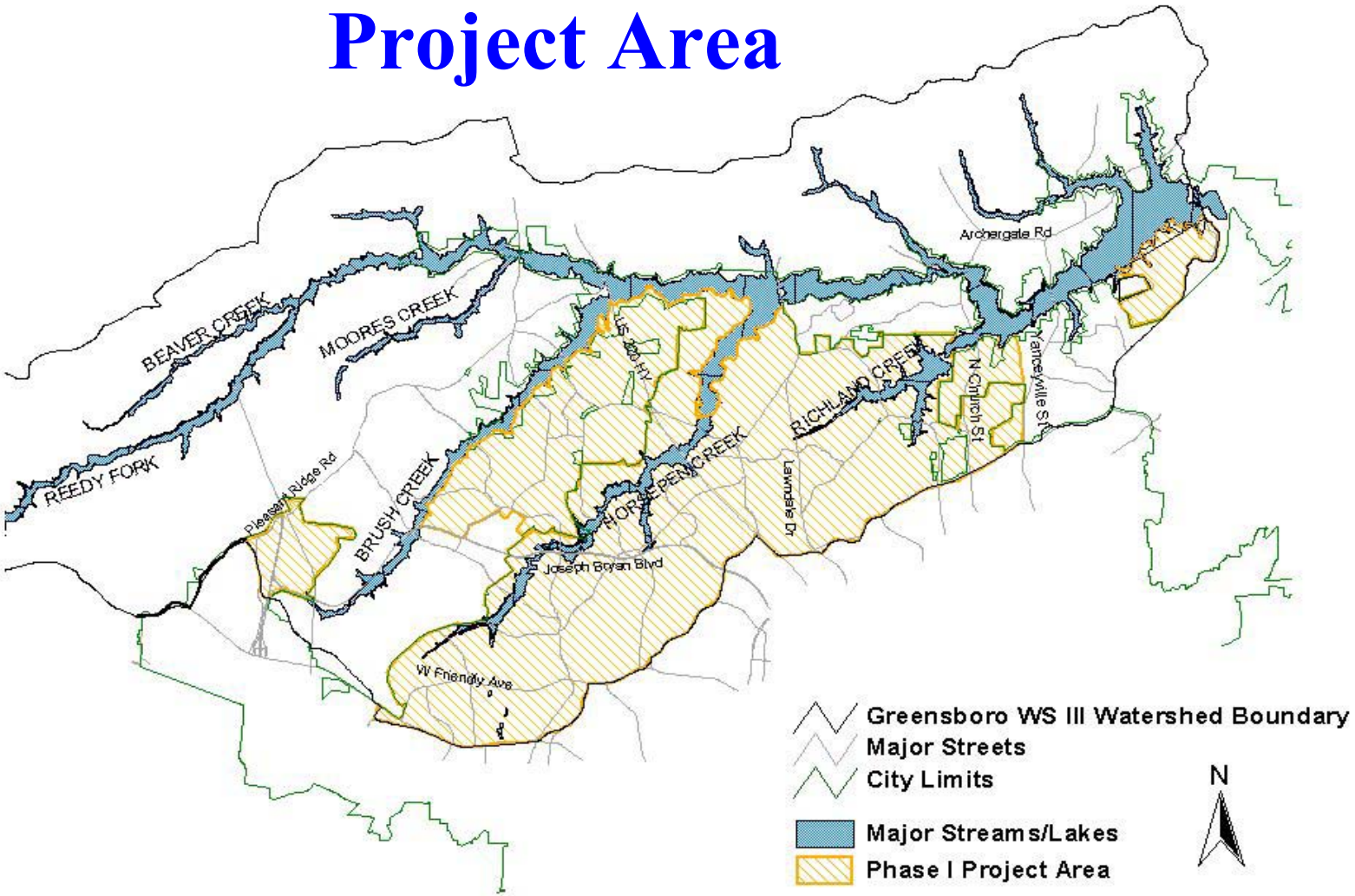
- GIS Layer



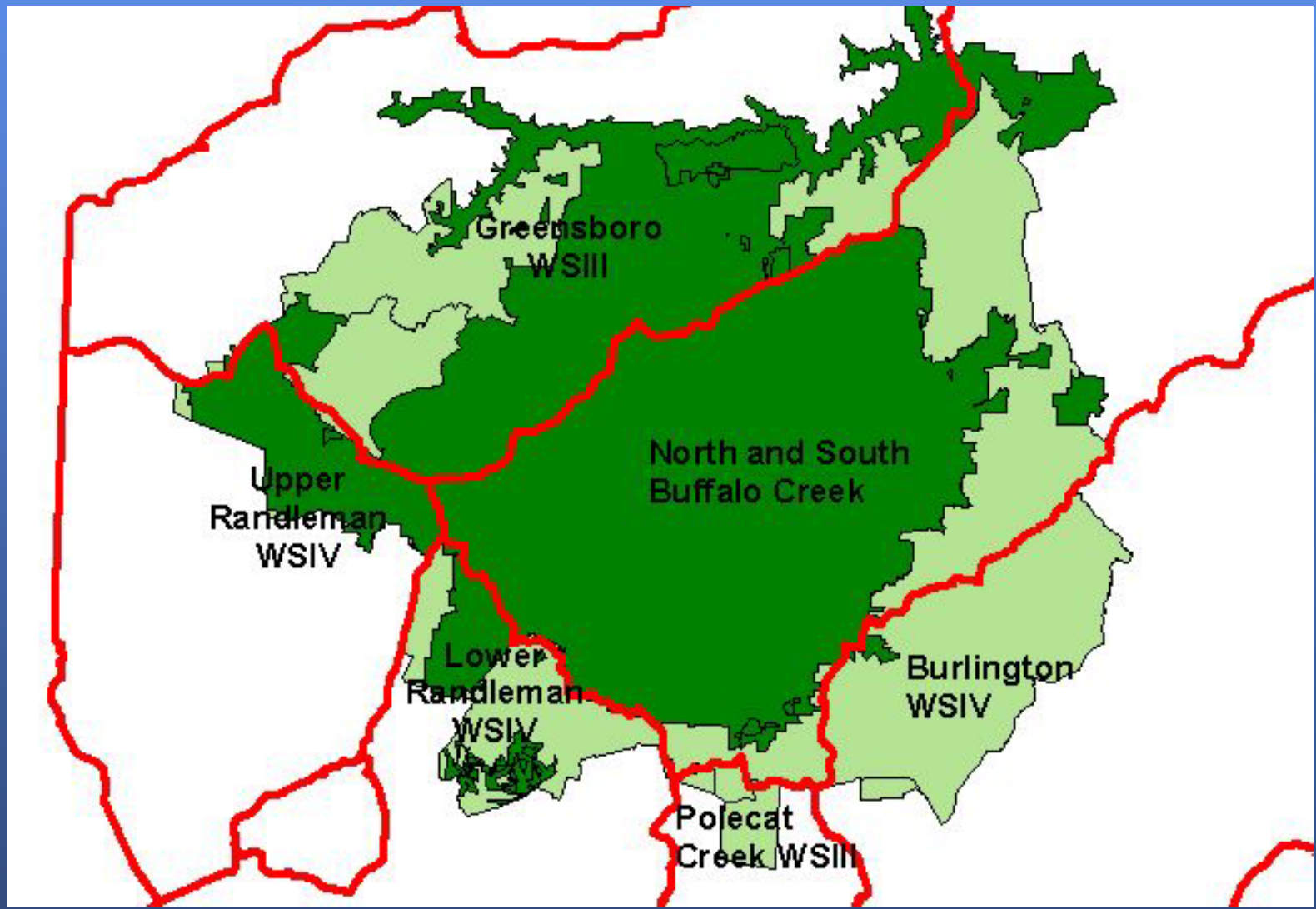
Project Area

- Greensboro WSIII Watershed (30 sq miles)
  - 20 Square Miles within city limits
  - 10 Square Miles in Future Growth Areas outside City Limits
  - Completed Spring 2001
- Map Remaining Water-Supply Watersheds
  - Randleman
  - Burlington
- Option to Map Remainder of City

Project Area



Watershed Areas



Project Methodology

- Comprehensive Workplan
  - Detail Field Procedures
  - GIS Database Design
  - QA/QC Plan
- Test Area - Evaluate Appropriateness of Field Methodology
- SubBasin Approach

Project Methodology (cont)

- Integrate project with City Stormwater Conveyance System Inventory Project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System city
Source
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Npdes_outf
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Initials
Date_visit
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Clear
Clear All
3:49 PM

Role of Stakeholders

- Provide comments and make suggestions on ways to improve overall project to meet individual or common needs
- Overall Agreement with Project